An Evaluation of the Quality and Utility of ACS Five Year Estimates for Bronx Census Tracts and Neighborhoods

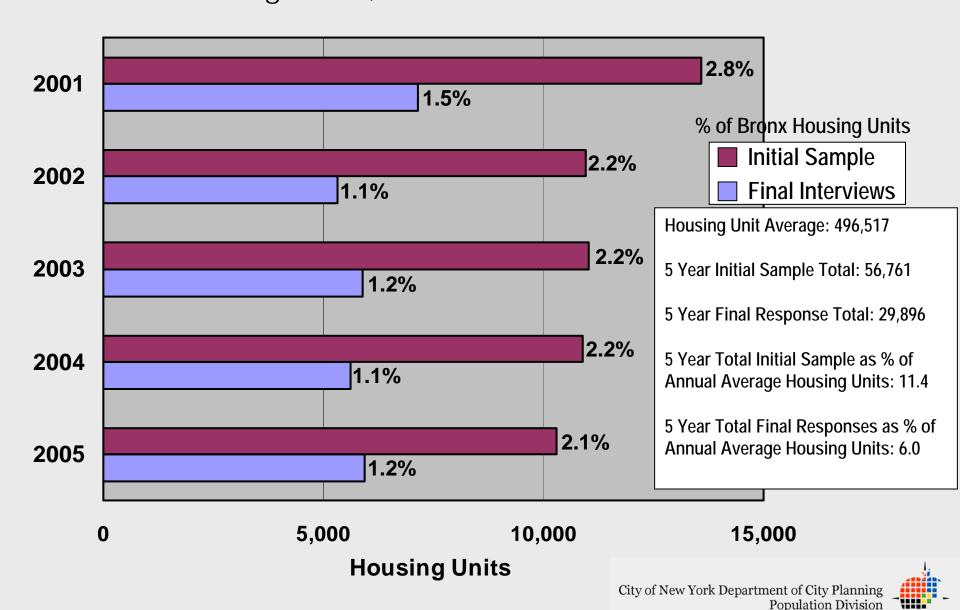


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Reliability of ACS Estimates: An Examination of Sampling Variability

ACS Initial Sample and Final Response as a Percent of all Bronx Housing Units, 2001-2005



Population and Housing Unit Attributes of Bronx Census Tracts, 2001-2005 ACS

	Census Tracts
Number of Areas	330
Household Population	
Median	3,356

Median Coefficient of Variation

Housing Units

Range

Median	1,304
Range	115 to 11,621
Median Coefficient of Variation	2.6

8.2

227 to 24,829

43 Demographic, Social, Economic, and Housing Variables Bronx Census Tracts and Neighborhoods, 2001-2005 ACS

Demographic & Social

- 1) Children 0 to 4 years of age
- 2) Nonrelatives
- 3) Married couple families
- 4) Nonfamily households
- 5) High school graduate only
- 6) Bachelor's degree
- 7) Never married
- 8) Divorced females
- 9) Civilian veterans
- 10) Foreign-born
- 11) Naturalized U.S. citizen
- 12) Speaks lang. other than Eng.
- 13) Speaks Eng. less than "very well"
- 14) Speaks Spanish at home

Economic

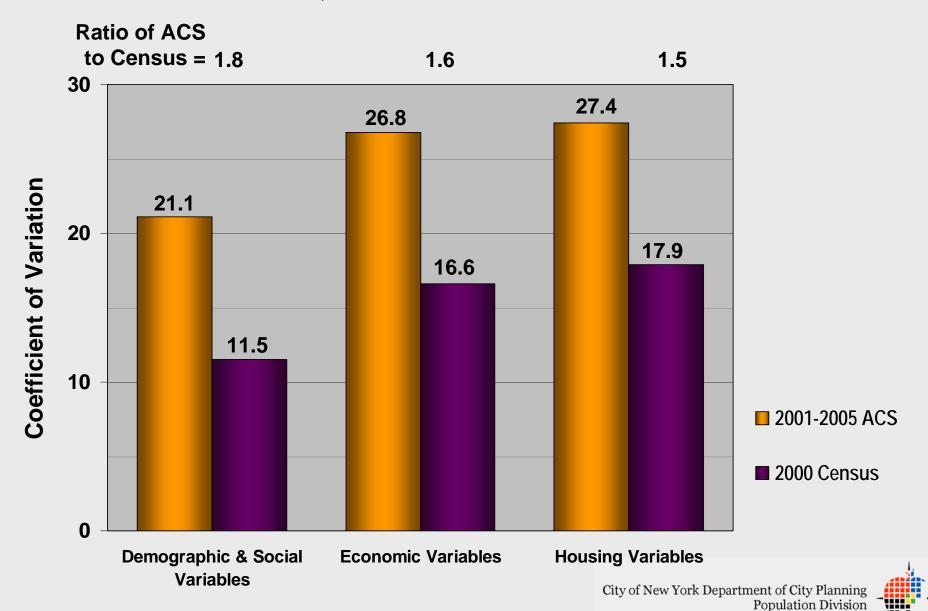
- 1) Persons employed
- 2) Females employed
- 3) Use public transp.
- 4) Mgmt., prof. & related occp.
- 5) Construction occp.
- 6) Retail industry
- 7) Education industry Class of workers:
- 8) Government
- 9) Self-employed Households:
- 10) w/ inc. & benefits < \$10,000
- 11) w/ earnings
- 12) w/ Social Security
- 13) w/ cash public assist. inc.

Housing

Housing units in:

- Struct. w/ 20+ units
- 2) Struct. blt.1990 or later
- 3) Struct. blt.1980-89
- 4) Struct. blt.1970-79
- 5) Struct. blt. before 1940
- 6) Rooms in unit = 1
- 7) Rooms in unit = 5
- 8) Vehicles available = 0
- 9) Vehicles available = 1 Heating fuel:
- 10) Utility gas
- 11) Electric
- 12) Oil, etc.
- 13) No telephone service
- 14) 1.5+ occupants per room
 Gross rent as % of HH inc.:
- 15) less than 15%
- 16) 35% or more

Median Overall Coefficients of Variation for Bronx Census Tracts, 2000 Census and 2001-2005 ACS



Neighborhood Aggregates of Bronx Census Tracts Riverdale Fieldston Woodlawn Van Wakefield Cortlandt Park Williamsbridge Eastchester Spuyten Duyvil Olinville Edenwald Kingsbridge Baychester Van Cortlandt Norwood Village Co-Op City Pelham Bay **Bedford Park** Fordham North Kingsbridge Heights Allerton Bronxdale Pelham Gardens Fordham Bronx Belmont Park Pelham Morris Heights Pelham Parkway Park Pelham Bay Country Club Mount Hope City Island Van Nest Pelham Bay Bathgate Morris Park Country Club Claremont East Westchester Sq. City Island Tremont Claremont Parkchester Crotona Highbridge West Farms Crotona Bronx River East Concourse Park Westchester Concourse Village East Unionport Soundview - Bruckner Morrisania Schuylerville Concourse Melrose Throgs Neck **Edgewater Park** Longwood Soundview Soundview Melrose South Castle Hill Mott Haven North Park Clason Point Mott Haven **Hunts Point** Port Morris City of New York Department of City Planning Riker's Population Division Island

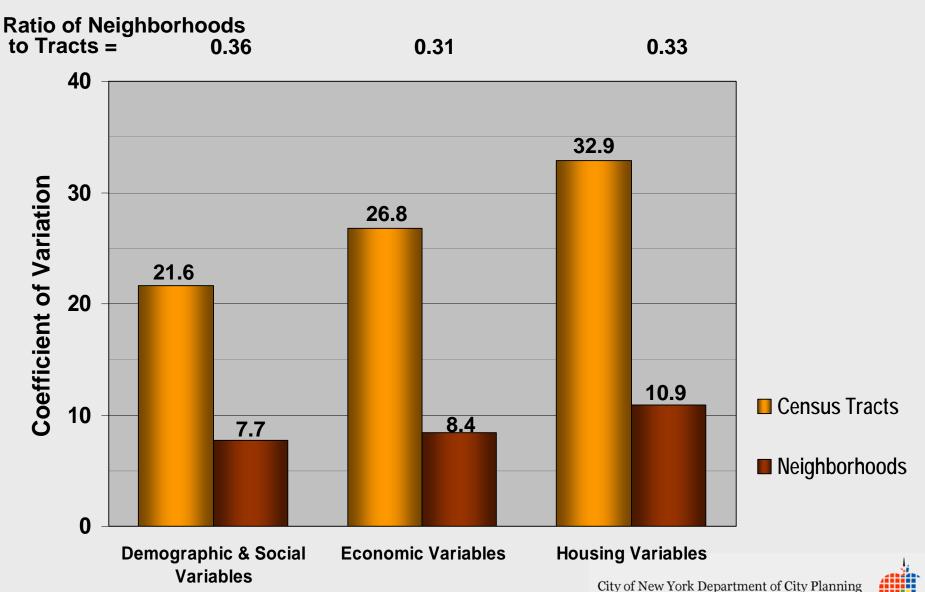
Population and Housing Unit Attributes of Bronx Census Tracts and Neighborhoods, 2001-2005 ACS

		Census Tracts	Neighborhoods
Νι	umber of Areas	330	36
Н	ousehold Population		
	Median	3,356	34,256
	Range	227 to 24,829	17,934 to 59,033
	Median Coefficient of Variation	8.2	2.7

Housing Units

Median	1,304	12,916
Range	115 to 11,621	7,059 to 21,838
Median Coefficient of Variation	2.6	1.0

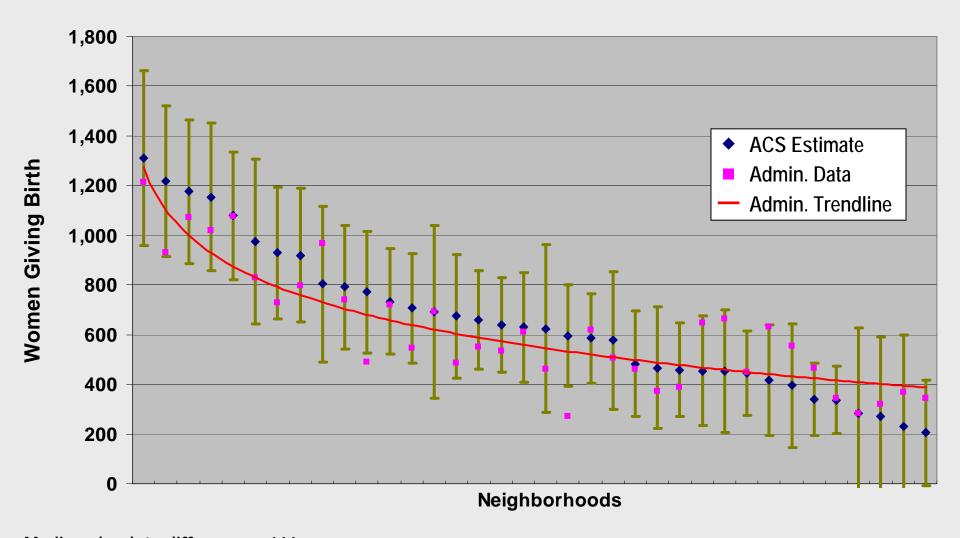
Median Overall Coefficients of Variation for Bronx Census Tracts and Neighborhoods, 2001-2005 ACS



Population Division

Validity of ACS Estimates: ACS vs. Administrative Data

Bronx Women Giving Birth in Prior 12 Months by Neighborhood, 2001-2005 ACS and Administrative Data



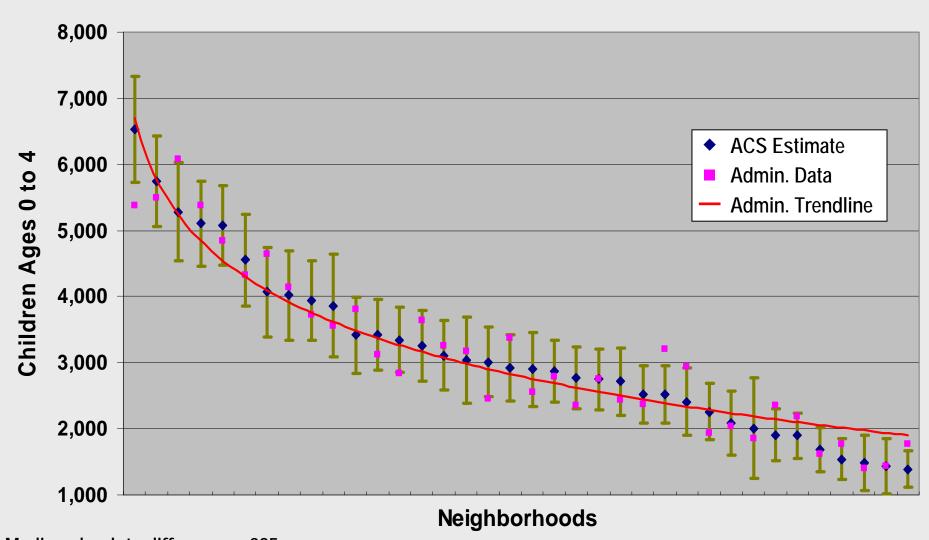
Median absolute difference = 116

Median absolute % difference from administrative data = 18.0

% Neighborhoods that show significant differences = 5.6



Bronx Children Ages 0 to 4 by Neighborhood, 2001-2005 ACS and Administrative Data



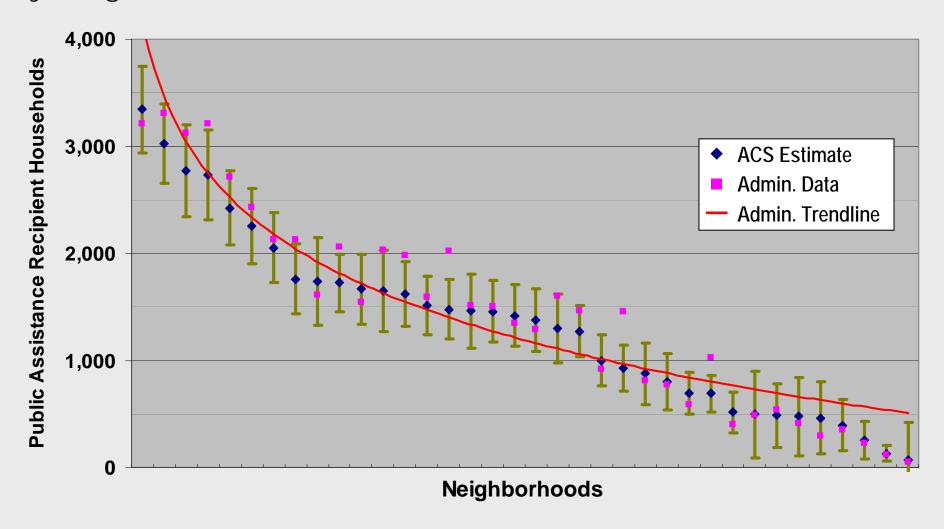
Median absolute difference = 285

Median absolute % difference from administrative data = 9.8

% Neighborhoods that show significant differences = 22.2



Bronx Households Receiving Public Assistance Income by Neighborhood, 2001-2005 ACS and Administrative Data



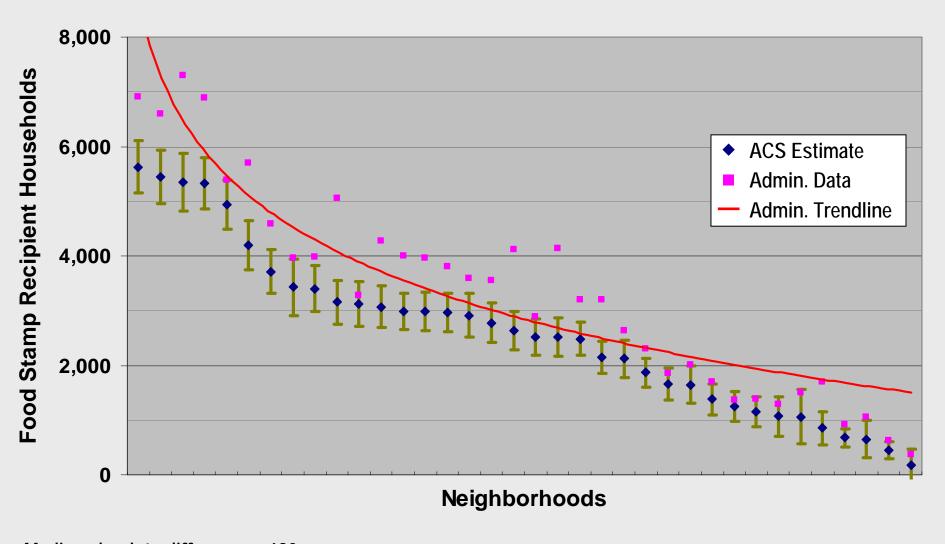
Median absolute difference = 117

Median absolute % difference from administrative data = 11.0

% Neighborhoods that show significant differences = 22.2



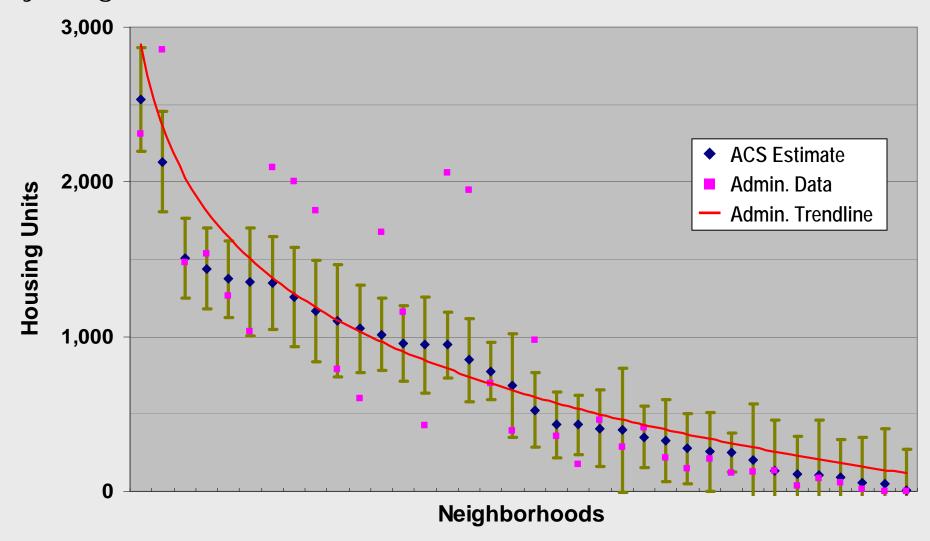
Bronx Households Receiving Food Stamps by Neighborhood, 2001-2005 ACS and Administrative Data



Median absolute difference = 630 Median absolute % difference from administrative data = 21.8 % Neighborhoods that show significant differences = 80.6



Bronx Housing Units in Structures Built 1990 or Later by Neighborhood, 2001-2005 ACS and Administrative Data

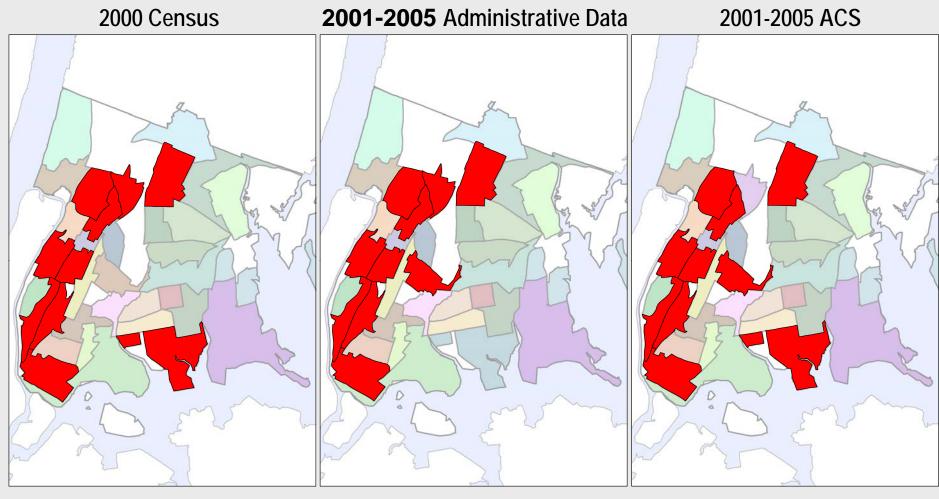


Median absolute difference = 120 Median absolute % difference from administrative data = 37.5 % Neighborhoods that show significant differences = 33.3



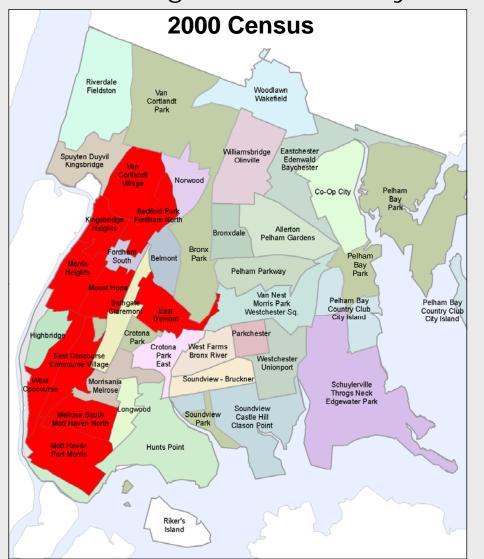
Utility of ACS Estimates: Targeting and Outreach Applications

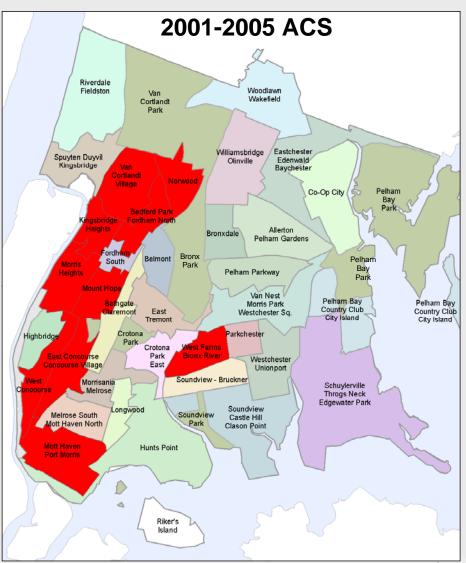
Top Ten Bronx Neighborhoods for Children Ages 0 to 4, 2000 Census and 2001-2005 Administrative and ACS Data



Top 10 Neighborhoods

Top Ten Bronx Neighborhoods for Persons 5 and Over with Limited English Proficiency, 2000 Census & 2001-2005 ACS Data





Measuring Change Over Time: ACS Data with 3 Years of Overlap

A Comparison of Selected ACS Estimates for Bronx Neighborhoods, 1999-2003 & 2001-2005 (3 Years of Overlap)

